

Refine Search

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L11 and fitness adj function and mathematical\$4 and solution adj set	1

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US Pre-Grant Publication Full-Text Database
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US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

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L12

Search History

DATE: Monday, December 20, 2004 [Printable Copy](#) [Create Case](#)

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<u>L12</u> L11 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L12</u>
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<u>L10</u> L9 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L10</u>
<u>L9</u> 702/19.ccls.	1646	<u>L9</u>
<u>L8</u> L7 and fitness adj function and mathematical\$4 and solution adj set	0	<u>L8</u>
<u>L7</u> 706/20.ccls.	528	<u>L7</u>
<u>L6</u> 6,282,527.pn.	2	<u>L6</u>
<u>L5</u> evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5	<u>L5</u>
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<u>L3</u> L1 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L3</u>
<u>L2</u> L1 and fitness adj function and mathematical\$4	30	<u>L2</u>
<u>L1</u> 706/13.ccls.	233	<u>L1</u>

END OF SEARCH HISTORY



a priori

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a priori [Pronunciation Key](#) (ä prē-ôr'ē, -ôr'ē, ä pr
ī-ôr'ī, -ôr'ī)
adj.

1. Proceeding from a known or assumed cause to a necessarily related effect; deductive.
2.
 - a. Derived by or designating the process of reasoning without reference to particular facts or experience.
 - b. Knowable without appeal to particular experience.
3. Made before or without examination; not supported by factual study.

[Medieval Latin *āpriōrī* : Latin *ā*, *from* + Latin *priōrī*, ablative of *prior*, *former*.]

a pri·o·ri *adv.***a pri·o·ri·ty** (-ôr'ī-tē, -ôr'-) *n.*[\[Download or Buy Now\]](#)[Source: The American Heritage® Dictionary of the English](#)

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a priori

adj 1: involving deductive reasoning from a general principle to a necessary effect; not supported by fact; "an *a priori* judgment" [ant: *a posteriori*] 2: based on hypothesis or theory rather than experiment adv : derived by logic, without observed facts [ant: *a posteriori*]

Source: *WordNet ® 2.0, © 2003 Princeton University*

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Terms	Documents
evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5

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Search: L5

Search History

DATE: Monday, December 20, 2004 [Printable Copy](#) [Create Case](#)

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	side by side			result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L5	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4		5	L5
L4	L1 and evolution\$4 and user and fitness adj function and solution adj set		4	L4
L3	L1 and fitness adj function and mathematical\$4 and solution adj set		1	L3
L2	L1 and fitness adj function and mathematical\$4		30	L2
L1	706/13.ccls.		233	L1

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Search Results - Record(s) 1 through 30 of 30 returned.

1. Document ID: US 20040254901 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 30

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040254901

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040254901 A1

TITLE: Methods and systems for interactive evolutionary computing (IEC)

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bonabeau, Eric	Cambridge	MA	US	
Anderson, Carl	Cambridge	MA	US	
Orme, Belinda	Cambridge	MA	US	
Funes, Pablo	Cambridge	MA	US	
Bandte, Oliver	Cambridge	MA	US	
Sullivan, Mark	Cambridge	MA	US	
Malinchuk, Sergey	Cambridge	MA	US	
Rothermich, Joseph A.				US

US-CL-CURRENT: 706/13

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2. Document ID: US 20040153227 A1

L2: Entry 2 of 30

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040153227

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040153227 A1

TITLE: Fuzzy controller with a reduced number of sensors

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
------	------	-------	---------	---------

Hagiwara, Takahide	Iwata-shi	JP
Ulyanov, Sergei V.	Crema	IT
Panfilov, Sergei A.	Crema	IT
Takahashi, Kazuki	Crema	IT
Kaneko, Chikako	Iwata-shi	JP
Diamante, Olga	Catania	IT

US-CL-CURRENT: 701/40; 706/13

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)

3. Document ID: US 20040030420 A1

L2: Entry 3 of 30

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040030420

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040030420 A1

TITLE: System and method for nonlinear dynamic control based on soft computing with discrete constraints

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ulyanov, Sergei V.	Crema		IT	
Panfilov, Sergei	Crema		IT	
Takahashi, Kazuki	Crema		IT	

US-CL-CURRENT: 700/48; 700/42, 706/13, 706/2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)

4. Document ID: US 20030177105 A1

L2: Entry 4 of 30

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030177105

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030177105 A1

TITLE: Gene expression programming algorithm

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Xiao, Weimin	Hoffman Estates	IL	US	
Tirpak, Thomas Michael	Glenview	IL	US	

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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 5. Document ID: US 20030093392 A1

L2: Entry 5 of 30

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093392

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030093392 A1

TITLE: System for intelligent control based on soft computing

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ulyanov, Sergei V.	Crema		IT	

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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 6. Document ID: US 20030093391 A1

L2: Entry 6 of 30

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093391

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030093391 A1

TITLE: Combinatorial fitness function circuit

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shackleford, J. Barry	Portola Valley	CA	US	

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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 7. Document ID: US 20030050902 A1

L2: Entry 7 of 30.

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030050902

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030050902 A1

TITLE: Genetic algorithm optimization method

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Buczak, Anna L.	Croton-On-Hudson	NY	US	
Wang, Henry (Hui)	Piscataway	NJ	US	

US-CL-CURRENT: 706/13

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

8. Document ID: US 20020095393 A1

L2: Entry 8 of 30.

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095393

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020095393 A1

TITLE: Computer program for and method of discrete event computer simulation incorporating biological paradigm for providing optimized decision support

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
McHaney, Roger	Manhattan	KS	US	

US-CL-CURRENT: 706/13; 703/11

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

9. Document ID: US 6807652 B2

L2: Entry 9 of 30

File: USPT

Oct 19, 2004

US-PAT-NO: 6807652

DOCUMENT-IDENTIFIER: US 6807652 B2

TITLE: Method of robust semiconductor circuit products design using rational robust optimization

DATE-ISSUED: October 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

McConaghy; Trent Lorne

Ottawa

CA

US-CL-CURRENT: 716/2; 703/13, 706/13, 716/4

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Dependencies](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

 10. Document ID: US 6634019 B1

L2: Entry 10 of 30

File: USPT

Oct 14, 2003

US-PAT-NO: 6634019

DOCUMENT-IDENTIFIER: US 6634019 B1

TITLE: Toggling software characteristics in a fault tolerant and combinatorial software environment system, method and medium

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rice; Todd M.	Boston	MA		
Bennett; Gordon E.	Cambridge	MA		

US-CL-CURRENT: 717/127; 706/13

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Dependencies](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

 11. Document ID: US 6470261 B1

L2: Entry 11 of 30

File: USPT

Oct 22, 2002

US-PAT-NO: 6470261

DOCUMENT-IDENTIFIER: US 6470261 B1

TITLE: Automatic freeway incident detection system and method using artificial neural network and genetic algorithms

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ng; Yew Liam	Singapore			SG
Ng; Kim Chwee	Singapore			SG

US-CL-CURRENT: 701/117; 340/425.5, 340/901, 340/905, 701/301, 706/13, 706/15

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Dependencies](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

12. Document ID: US 6415272 B1

L2: Entry 12 of 30

File: USPT

Jul 2, 2002

US-PAT-NO: 6415272

DOCUMENT-IDENTIFIER: US 6415272 B1

TITLE: System for intelligent control based on soft computing

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ulyanov; Sergei V.	Crema			IT

US-CL-CURRENT: 706/2; 706/10, 706/13, 706/903[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMIC](#) [Drawn D](#)

 13. Document ID: US 6327582 B1

L2: Entry 13 of 30

File: USPT

Dec 4, 2001

US-PAT-NO: 6327582

DOCUMENT-IDENTIFIER: US 6327582 B1

TITLE: Method and system for genetic programming

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Worzel; William P.	Milan	MI	48160	

US-CL-CURRENT: 706/13[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMIC](#) [Drawn D](#)

 14. Document ID: US 6272479 B1

L2: Entry 14 of 30

File: USPT

Aug 7, 2001

US-PAT-NO: 6272479

DOCUMENT-IDENTIFIER: US 6272479 B1

TITLE: Method of evolving classifier programs for signal processing and control

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Farry; Kristin Ann	Houston	TX	77546
Fernandez; Julio Jaime	Sugar Land	TX	77479
Graham; Jeffrey Scott	Houston	TX	77064

US-CL-CURRENT: 706/13; 700/213, 700/250, 706/14

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

15. Document ID: US 6128607 A

L2: Entry 15 of 30

File: USPT

Oct 3, 2000

US-PAT-NO: 6128607

DOCUMENT-IDENTIFIER: US 6128607 A

TITLE: Computer implemented machine learning method and system

DATE-ISSUED: October 3, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nordin; Peter	S-411 05 Goteborg			SE
Banzhaf; Wolfgang	44575 Castrop-Rauxel			DE

US-CL-CURRENT: 706/13

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16. Document ID: US 6098059 A

L2: Entry 16 of 30

File: USPT

Aug 1, 2000

US-PAT-NO: 6098059

DOCUMENT-IDENTIFIER: US 6098059 A

TITLE: Computer implemented machine learning method and system

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nordin; Peter	S-411 05 Goteborg			SE

US-CL-CURRENT: 706/13

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17. Document ID: US 6058385 A

L2: Entry 17 of 30

File: USPT

May 2, 2000

US-PAT-NO: 6058385
 DOCUMENT-IDENTIFIER: US 6058385 A

TITLE: Simultaneous evolution of the architecture of a multi-part program while solving a problem using architecture altering operations

DATE-ISSUED: May 2, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koza; John R.	Los Altos Hills	CA	94022	
Andre; David	Menlo Park	CA	94025	
Tackett; Walter Alden	San Francisco	CA	94118	

US-CL-CURRENT: 706/13

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18. Document ID: US 6052678 A

L2: Entry 18 of 30

File: USPT

Apr 18, 2000

US-PAT-NO: 6052678
 DOCUMENT-IDENTIFIER: US 6052678 A
**** See image for Certificate of Correction ****

TITLE: Problem solving operation apparatus using a state transition

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Itoh; Hiroyasu	Kawasaki			JP
Shinagawa; Akio	Kawasaki			JP
Nishimura; Toshihiro	Kawasaki			JP
Okada; Hiroyuki	Kawasaki			JP
Adachi; Nobue	Kawasaki			JP
Ohi; Hajime	Tokyo			JP

US-CL-CURRENT: 706/13; 706/20, 706/45

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19. Document ID: US 5946674 A

L2: Entry 19 of 30

File: USPT

Aug 31, 1999

US-PAT-NO: 5946674

DOCUMENT-IDENTIFIER: US 5946674 A

TITLE: Turing complete computer implemented machine learning method and system

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nordin; Peter	Goteborg			SE
Banzhaf; Wolfgang	Castrop-Rauxel			DE

US-CL-CURRENT: 706/13

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20. Document ID: US 5946673 A

L2: Entry 20 of 30

File: USPT

Aug 31, 1999

US-PAT-NO: 5946673

DOCUMENT-IDENTIFIER: US 5946673 A

TITLE: Computer implemented machine learning and control system

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Francone; Frank D.	Los Angeles	CA	90029	
Nordin; Peter	S-411 05 Gothenburg			SE
Banzhaf; Wolfgang	Castrop-Rauxel			DE

US-CL-CURRENT: 706/13; 700/246, 701/301

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21. Document ID: US 5897629 A

L2: Entry 21 of 30

File: USPT

Apr 27, 1999

US-PAT-NO: 5897629

DOCUMENT-IDENTIFIER: US 5897629 A

TITLE: Apparatus for solving optimization problems and delivery planning system

DATE-ISSUED: April 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shinagawa; Akio	Kawasaki			JP

Okada; Hiroyuki	Kawasaki	JP
Nakabayashi; Ayumi	Tokyo	JP
Takada; Kazumi	Tokyo	JP

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment	Claims	KWIC	Drawn D
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22. Document ID: US 5864633 A

L2: Entry 22 of 30

File: USPT

Jan 26, 1999

US-PAT-NO: 5864633

DOCUMENT-IDENTIFIER: US 5864633 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for optical data analysis

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Opsal; Jon	Livermore	CA		
Sidorowich; John J.	Aptos	CA		

US-CL-CURRENT: 382/141; 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment	Claims	KWIC	Drawn D
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23. Document ID: US 5841947 A

L2: Entry 23 of 30

File: USPT

Nov 24, 1998

US-PAT-NO: 5841947

DOCUMENT-IDENTIFIER: US 5841947 A

TITLE: Computer implemented machine learning method and system

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nordin; Peter	S-411 05 Goteborg			SE

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment	Claims	KWIC	Drawn D
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24. Document ID: US 5742738 A

L2: Entry 24 of 30

File: USPT

Apr 21, 1998

US-PAT-NO: 5742738

DOCUMENT-IDENTIFIER: US 5742738 A

TITLE: Simultaneous evolution of the architecture of a multi-part program to solve a problem using architecture altering operations

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koza; John R.	Los Altos Hills	CA	94022	
Andre; David	Menlo Park	CA		
Tackett; Walter Alden	San Francisco	CA		

US-CL-CURRENT: 706/13[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sentences](#) [Attachments](#) [Claims](#) [KWMC](#) [Drawn D](#)

 25. Document ID: US 5717787 A

L2: Entry 25 of 30

File: USPT

Feb 10, 1998

US-PAT-NO: 5717787

DOCUMENT-IDENTIFIER: US 5717787 A

TITLE: Method for data compression by associating complex numbers with files of data values

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feo; John Thomas	Dublin	CA		
Hanks; David Carlton	San Ramon	CA		
Kraay; Thomas Arthur	Leeburg	VA		

US-CL-CURRENT: 382/232; 382/249, 706/13[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sentences](#) [Attachments](#) [Claims](#) [KWMC](#) [Drawn D](#)

 26. Document ID: US 5651099 A

L2: Entry 26 of 30

File: USPT

Jul 22, 1997

US-PAT-NO: 5651099

DOCUMENT-IDENTIFIER: US 5651099 A

TITLE: Use of a genetic algorithm to optimize memory space

DATE-ISSUED: July 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Konsella; Shane	Boise	ID		

US-CL-CURRENT: 706/13; 707/1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Assignments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

27. Document ID: US 5434796 A

L2: Entry 27 of 30

File: USPT

Jul 18, 1995

US-PAT-NO: 5434796

DOCUMENT-IDENTIFIER: US 5434796 A

TITLE: Method and apparatus for designing molecules with desired properties by evolving successive populations

DATE-ISSUED: July 18, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weininger; David	Santa Fe	NM		

US-CL-CURRENT: 703/12; 435/DIG.51, 706/13

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Assignments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

28. Document ID: US 5390282 A

L2: Entry 28 of 30

File: USPT

Feb 14, 1995

US-PAT-NO: 5390282

DOCUMENT-IDENTIFIER: US 5390282 A

TITLE: Process for problem solving using spontaneously emergent self-replicating and self-improving entities

DATE-ISSUED: February 14, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koza; John R.	Los Altos Hills	CA	94022	
Rice; James P.	Redwood City	CA		

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Schematics	Attachments	Claims	KMPC	Drawn D.
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29. Document ID: US 5343554 A

L2: Entry 29 of 30

File: USPT

Aug 30, 1994

US-PAT-NO: 5343554

DOCUMENT-IDENTIFIER: US 5343554 A

TITLE: Non-linear genetic process for data encoding and for solving problems using automatically defined functions

DATE-ISSUED: August 30, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koza; John R.	Los Altos	CA	94022	
Rice; James P.	Redwood City	CA		

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Schematics	Attachments	Claims	KMPC	Drawn D.
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30. Document ID: US 5136686 A

L2: Entry 30 of 30

File: USPT

Aug 4, 1992

US-PAT-NO: 5136686

DOCUMENT-IDENTIFIER: US 5136686 A

** See image for Certificate of Correction **

TITLE: Non-linear genetic algorithms for solving problems by finding a fit composition of functions

DATE-ISSUED: August 4, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koza; John R.	Los Altos Hills	CA	94022	

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Schematics	Attachments	Claims	KMPC	Drawn D.
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Terms	Documents
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L1 and fitness adj function and mathematical\$4	30
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Display Format:

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Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20040254901 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 4

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040254901
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040254901 A1

TITLE: Methods and systems for interactive evolutionary computing (IEC)

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bonabeau, Eric	Cambridge	MA	US	
Anderson, Carl	Cambridge	MA	US	
Orme, Belinda	Cambridge	MA	US	
Funes, Pablo	Cambridge	MA	US	
Bandte, Oliver	Cambridge	MA	US	
Sullivan, Mark	Cambridge	MA	US	
Malinchek, Sergey	Cambridge	MA	US	
Rothermich, Jeseph A.				US

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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2. Document ID: US 6148274 A

L4: Entry 2 of 4

File: USPT

Nov 14, 2000

US-PAT-NO: 6148274
DOCUMENT-IDENTIFIER: US 6148274 A
**** See image for Certificate of Correction ****

TITLE: Optimization adjusting method and optimization adjusting apparatus

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Watanabe; Tatsumi	Kyoto	JP
Takagi; Hideyuki	Fukuoka	JP
Obara; Kazuaki	Neyagawa	JP
Maruno; Susumu	Osaka	JP

US-CL-CURRENT: 703/6; 381/60, 706/13

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Searches](#) | [Assignments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

3. Document ID: US 6004015 A

L4: Entry 3 of 4

File: USPT

Dec 21, 1999

US-PAT-NO: 6004015

DOCUMENT-IDENTIFIER: US 6004015 A

** See image for Certificate of Correction **

TITLE: Optimization adjusting method and optimization adjusting apparatus

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Watanabe; Tatsumi	Soraku-gun			JP
Takagi; Hideyuki	Fukuoka			JP
Obara; Kazuaki	Neyagawa			JP
Maruno; Susumu	Osaka			JP

US-CL-CURRENT: 700/28; 702/85, 706/13

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Searches](#) | [Assignments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

4. Document ID: US 5940816 A

L4: Entry 4 of 4

File: USPT

Aug 17, 1999

US-PAT-NO: 5940816

DOCUMENT-IDENTIFIER: US 5940816 A

TITLE: Multi-objective decision-support methodology

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Führer; Robert Mack	New York	NY		
Henry; Raymond T.	Fishkill	NY		
Akkiraju; Rama Kalyani T.	Ossining	NY		
Lougee-Heimer; Robin	Ossining	NY		

Murthy; Seshashayee Sankarshana	Elmsford	NY
Rachlin; John Nathan	Tarrytown	NY
Sturzenbecker; Martin C.	Carmel	NY
Wu; Frederick Yung-Fung	Cos Cob	CT

US-CL-CURRENT: 706/13[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Searches](#) [Pending](#) [Claims](#) [KIMC](#) [Drawn](#) [D](#)[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

Terms

Documents

L1 and evolution\$4 and user and fitness adj function and solution adj set

4

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Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20040254901 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 5

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040254901

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040254901 A1

TITLE: Methods and systems for interactive evolutionary computing (IEC)

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bonabeau, Eric	Cambridge	MA	US	
Anderson, Carl	Cambridge	MA	US	
Orme, Belinda	Cambridge	MA	US	
Funes, Pablo	Cambridge	MA	US	
Bandte, Oliver	Cambridge	MA	US	
Sullivan, Mark	Cambridge	MA	US	
Malinchek, Sergey	Cambridge	MA	US	
Rothermich, Jeseph A.			US	

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWD/C	Drawn D
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2. Document ID: US 20040133355 A1

L5: Entry 2 of 5

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040133355

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040133355 A1

TITLE: Methods and compositions utilizing evolutionary computation techniques and differential data sets

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME Schneider, Luke V.	CITY Palo Alto	STATE CA	COUNTRY US	RULE-47
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US-CL-CURRENT: 702/19; 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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 3. Document ID: US 20030055614 A1

L5: Entry 3 of 5

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030055614

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030055614 A1

TITLE: Method for optimizing a solution set

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME Pelikan, Martin Goldberg, David E.	CITY Champaign Champaign	STATE IL IL	COUNTRY US US	RULE-47
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US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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 4. Document ID: US 20020122067 A1

L5: Entry 4 of 5

File: PGPB

Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020122067

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020122067 A1

TITLE: System and method for automatic layout of images in digital albums

PUBLICATION-DATE: September 5, 2002

INVENTOR-INFORMATION:

NAME Geigel, Joseph M. Loui, Alexander C.	CITY Pittsford Penfield	STATE NY NY	COUNTRY US US	RULE-47
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US-CL-CURRENT: 715/788

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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5. Document ID: US 6408227 B1

L5: Entry 5 of 5

File: USPT

Jun 18, 2002

US-PAT-NO: 6408227

DOCUMENT-IDENTIFIER: US 6408227 B1

TITLE: System and method for controlling effluents in treatment systems

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Singhvi; Sanjay S.	Coralville	IA		
Schnoor; Jerald L.	Iowa City	IA		

US-CL-CURRENT: 700/266; 700/32[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Assignments](#) | [Claims](#) | [KMIC](#) | [Drawn D](#)[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

Terms	Documents
evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5

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Terms	Documents
evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5

Database: US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search: 6,282,527.pn.

Refine Search

Recall Text  **Clear**  **Interrupt** 

Search History

DATE: Monday, December 20, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set</u>
	side by side			result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
<u>L5</u>	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4		5	<u>L5</u>
<u>L4</u>	L1 and evolution\$4 and user and fitness adj function and solution adj set		4	<u>L4</u>
<u>L3</u>	L1 and fitness adj function and mathematical\$4 and solution adj set		1	<u>L3</u>
<u>L2</u>	L1 and fitness adj function and mathematical\$4		30	<u>L2</u>
<u>L1</u>	706/13.ccls.		233	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L9 and fitness adj function and mathematical\$4 and solution adj set	1

Database: US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search: L10	<input type="button" value="Refine Search"/>	<input type="button" value="Recall Text"/>	<input type="button" value="Clear"/>	<input type="button" value="Interrupt"/>
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Search History

DATE: Monday, December 20, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set</u>
side by side				result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>				
<u>L10</u>	L9 and fitness adj function and mathematical\$4 and solution adj set		1	<u>L10</u>
<u>L9</u>	702/19.ccls.		1646	<u>L9</u>
<u>L8</u>	L7 and fitness adj function and mathematical\$4 and solution adj set		0	<u>L8</u>
<u>L7</u>	706/20.ccls.		528	<u>L7</u>
<u>L6</u>	6,282,527.pn.		2	<u>L6</u>
<u>L5</u>	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4		5	<u>L5</u>
<u>L4</u>	L1 and evolution\$4 and user and fitness adj function and solution adj set		4	<u>L4</u>
<u>L3</u>	L1 and fitness adj function and mathematical\$4 and solution adj set		1	<u>L3</u>
<u>L2</u>	L1 and fitness adj function and mathematical\$4		30	<u>L2</u>
<u>L1</u>	706/13.ccls.		233	<u>L1</u>

END OF SEARCH HISTORY

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Generate OACS				

Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20040133355 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 1

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040133355

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040133355 A1

TITLE: Methods and compositions utilizing evolutionary computation techniques and differential data sets

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schneider, Luke V.	Palo Alto	CA	US	

US-CL-CURRENT: 702/19; 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Drawn D
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Terms	Documents
L9 and fitness adj function and mathematical\$4 and solution adj set	
1	

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20030055614 A1

Using default format because multiple data bases are involved.

L12: Entry 1 of 1

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030055614

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030055614 A1

TITLE: Method for optimizing a solution set

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pelikan, Martin	Champaign	IL	US	
Goldberg, David E.	Champaign	IL	US	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L11 and fitness adj function and mathematical\$4 and solution adj set	1

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Refine Search

Search Results -

Terms	Documents
L11 and fitness adj function and mathematical\$4 and solution adj set	1

Database: US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search: L12

Search History

DATE: Monday, December 20, 2004 [Printable Copy](#) [Create Case](#)

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side by side		result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>		
<u>L12</u> L11 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L12</u>
<u>L11</u> 703/2.ccls.	1253	<u>L11</u>
<u>L10</u> L9 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L10</u>
<u>L9</u> 702/19.ccls.	1646	<u>L9</u>
<u>L8</u> L7 and fitness adj function and mathematical\$4 and solution adj set	0	<u>L8</u>
<u>L7</u> 706/20.ccls.	528	<u>L7</u>
<u>L6</u> 6,282,527.pn.	2	<u>L6</u>
<u>L5</u> evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5	<u>L5</u>
<u>L4</u> L1 and evolution\$4 and user and fitness adj function and solution adj set	4	<u>L4</u>
<u>L3</u> L1 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L3</u>
<u>L2</u> L1 and fitness adj function and mathematical\$4	30	<u>L2</u>
<u>L1</u> 706/13.ccls.	233	<u>L1</u>

END OF SEARCH HISTORY